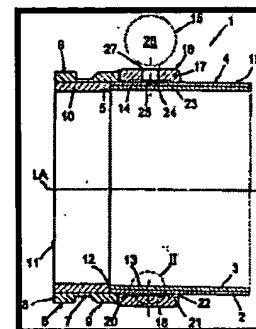


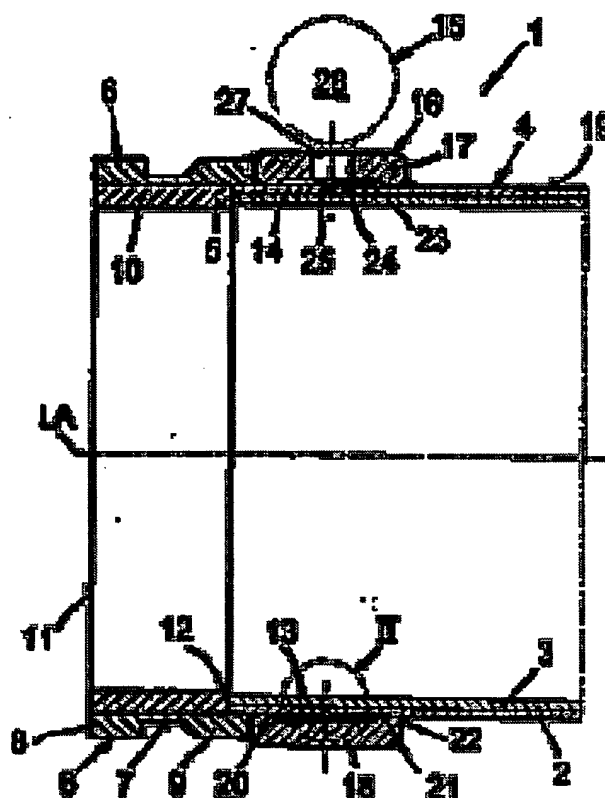
**DELPHION**

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**Select CR****RESEARCH****PRODUCTS****INSIDE DELPHION****Log Out** **Work Files** **Search History****My Account****Search:** Quick/Number Boolean Advanced Der**Derwent Record**✉ **Em****View:** [Expand Details](#) **Go to:** [Delphion Integrated View](#)**Tools:** Add to Work File: [Create new Worl](#)🔍 **Derwent Title:** **Pipeline transporting abrasive substances incorporates detector**🔍 **Original Title:** ☒ **DE19821637A1: Transportrohr**🔍 **Assignee:** **ESSER WERKE GMBH & CO KG** Standard company  
Other publications from **ESSER WERKE GMBH & CO KG**  
(ESSW)...🔍 **Inventor:** **None**🔍 **Accession/** **2000-014366 / 200002****Update:**🔍 **IPC Code:** **B65G 53/52 ; B65G 43/08 ; B65G 53/66 ; F16L 57/00 ;**🔍 **Derwent Classes:** **Q35; Q67;**

🔍 **Derwent Abstract:** (**DE19821637A**) **Novelty** - A pipe (1) for transporting bulk abrasive solids has a steel outer mantle (2) around an inner pipe (3) with higher resistance to abrasion. The outer mantle has a U-shaped bracket (16) holding a sensor (28) above a passage (27) directed at the mantle surface (19). The mantle surface has a number of surface recesses (25). Following progressive wear on the inner surface of the inner mantle, the surface wear eventually releases particles from the pipe interior to the sensor chamber (23). This event is detected and signaled by the sensor (28).  
**Use** - For transporting abrasive substances.  
**Advantage** - The inner pipe may be exchanged prior to commencement of wear to the inner face of the outer mantle.

🔍 **Images:**



**Description of Drawing(s)** - shows a cross-sectional side-view of the sensor installation.

Dwg. 1/2

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code  
☒ **DE19821637A1** \* 1999-11-18 200002 5 German B65G 53/52  
 Local apps.: DE1998001021637 Filed: 1998-05-14 (98DE-1021637)

INPADOC Legal Status: [Show legal status actions](#)

First Claim: [Show all claims](#)  
 1. Transportrohr zur fluidischen Förderung von Feststoffen, das einen Mittelabschnitt (4) und an den Enden (5) Kupplungsbunde (6) aufweist, **dadurch gekennzeichnet**, dass der Mittelabschnitt (4) in mindestens einem verschleißgefährdeten Längenbereich (13) außenseitig mit einer Prüfvorrichtung (15) zur Ermittlung des von innen nach außen fortschreitenden Verschleißes versehen ist.

Priority Number:	<b>Application Number</b>	<b>Filed</b>	<b>Original Title</b>
	DE1998001021637	1998-05-14	

Title Terms: PIPE TRANSPORT ABRASION SUBSTANCE INCORPORATE DETECT

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